CBSE TEST PAPER-04
CLASS - IX MATHEMATICS (Number System)

1) Visualize $4.\overline{26}$ on the number line up to four decimal place

2) Show how $\sqrt{5}$ can be represented on number line

3) Represent $\sqrt{9.3}$ on number line?

4) Represent in the form of p/q (i) 0. 4 $\overline{7}$ (ii) $0.\overline{0002}$

5) Find the value $(32)^{2/}5$ and $(16)^{3/4}$

6) Find five rational number between ½ and 1/3

d Cardinal Point
One Stop Edu Solution

7) Simplify (5 + √7) (2 + √5)

8) State whether the following statements are True or False:

(i) Every integer is a rational number. (ii) Every rational number is an integer.

(iii) Every natural number is a whole number. (iv) Every whole number is a natural number. (v) Every whole number is a rational number.(vi) Every integer is a whole number

9) Find the value of "a" and " b" if $\frac{1}{7+3\sqrt{2}}$ = a + b√2

10) Define the following: (i) Rational numbers (ii) Irrational numbers (iii) Real numbers

11) Find and irrational number between √5 and √8

12) If x = 4√3 find $x^2 + \frac{1}{x^2}$

13) Simplify $\left(\frac{x^l}{x^m}\right)^{l^2+m2+lm} \left(\frac{x^m}{x^n}\right)^{m^2+n2+mn} \left(\frac{x^n}{x^l}\right)^{l^2+n2+ln}$

14) Prove that between any two distinct rational numbers a and b where b>a there exists another rational number

15) Write three numbers whose decimal expansions are non-terminating and non-repeating.

d Cardinal Point
One Stop Edu Solution